

AMENDMENTS TO THE CLAIMS

1. (Amended) A system for multimedia encryption comprising:

A (a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next or chaotic noise that is somewhat predictable over time;

a data compression module coupled to receive and compress the media signal containing random noise that is completely unpredictable from one moment to the next or chaotic noise that is somewhat predictable over time into a compressed data stream;

a data acquisition module coupled to receive and select a set of data from the compressed data stream; and

a hashing module coupled to receive and hash the set of data into a keyword.

2. (Original) The system of claim 1 wherein the set of data is one frame of data within the compressed data stream.

3. (Original) The system of claim 1 wherein the set of data crosses over several frame boundaries within the compressed data stream.

4. (Original) The system of claim 1 wherein:  
the compressed data stream includes compression transform coefficients; and

the set of data includes a set of compression transform coefficients.

5. (Original) The system of claim 1 wherein:  
the compressed data stream includes data frames of varying length;  
and

the set of data includes a set of data frames.

6. (Original) The system of claim 1 wherein:

the compressed data stream includes predictive data frames; and  
the set of data includes a predictive data frame.

7. (Original) The system of claim 1:

wherein the media signal includes a noise signal amplitude;  
further comprising,

an analog to digital converter, having a quantization step size  
smaller than the noise signal amplitude, coupled to receive and quantize the  
media signal; and

wherein the data compression module compresses the quantized  
media signal into a compressed data stream.

8. (Original) The system of claim 1 wherein the data compression  
module compresses the media signal into one from a group consisting of:  
MJPEG, MPEG1, MPEG2, or MPEG4, H.261, H.320, and H.323 formats.

9. (Original) The system of claim 1 further comprising:

a pseudo-random number generator coupled to receive and process  
the keyword in to a set of keywords.

10. (Amended) A method for multimedia encryption, comprising the  
steps of:

compressing a media signal, said media signal having the capacity  
of containing random noise that is completely unpredictable from one moment  
to the next or chaotic noise that is somewhat predictable over time; ;

selecting a set of data from the compressed media signal; and  
hashing the set of data into a keyword.

11. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames; and  
the selecting step includes the step of selecting one frame of data.

12. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames and data frame boundaries; and

the selecting step includes the step of selecting a set of data which crosses over several data frame boundaries.

13. (Original) The method of claim 10 wherein:

the compressed media signal includes compression transform coefficients; and

the selecting step includes the step of selecting a set of compression transform coefficients.

14. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames of varying length; and

the selecting step includes the step of selecting a set of data frames.

15. (Original) The method of claim 10 wherein:

the compressed media signal includes predictive data frames; and  
the selecting step includes the step of selecting a predictive data frame.

16. (Original) The method of claim 10:

wherein the media signal includes a noise signal amplitude;  
further comprising the step of quantizing the media signal with a quantization step size smaller than the noise signal amplitude; and  
wherein the compressing step includes the step of compressing the quantized media signal.

17. (Amended) A system for multimedia encryption, comprising:

means for compressing a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next or chaotic noise that is somewhat predictable over time;

means for selecting a set of data from the compressed media signal;

and

means for hashing the set of data into a keyword.

18. (Original) The system of claim 17 wherein:

the compressed media signal includes data frames; and

the means for selecting includes means for selecting one frame of data.

19. (Original) The system of claim 17 wherein:

the compressed media signal includes data frames and data frame boundaries; and

the means for selecting includes means for selecting a set of data which crosses over several data frame boundaries.

20. (Original) The system of claim 17 wherein:

the compressed media signal includes compression transform coefficients; and

the means for selecting includes means for selecting a set of compression transform coefficients.

21. (Original) The system of claim 17 wherein:

the compressed media signal includes data frames of varying length; and

the means for selecting includes means for selecting a set of data frames.

22. (Original) The system of claim 17 wherein:

the compressed media signal includes predictive data frames; and  
the means for selecting includes means for selecting a predictive data frame.

23. (Original) The system of claim 17:

wherein the media signal includes a noise signal amplitude;  
further comprising means for quantizing the media signal with a  
quantization step size smaller than the noise signal amplitude; and  
wherein the means for compressing includes means for  
compressing the quantized media signal.

24. (Amended) A computer-useable medium embodying computer  
program code for multimedia encryption by executing the steps of:

compressing a media signal, said media signal having the capacity  
of containing random noise that is completely unpredictable from one moment  
to the next or chaotic noise that is somewhat predictable over time;

selecting a set of data from the compressed media signal; and  
hashing the set of data into a keyword.

25. (Original) The computer-useable medium of claim 24 wherein:  
the compressed media signal includes data frames; and  
the selecting step includes the step of selecting one frame of data.

26. (Original) The computer-useable medium of claim 24 wherein:  
the compressed media signal includes data frames and data frame  
boundaries; and

the selecting step includes the step of selecting a set of data which  
crosses over several data frame boundaries.

27. (Original) The computer-useable medium of claim 24 wherein:  
the compressed media signal includes compression transform  
coefficients; and

the selecting step includes the step of selecting a set of compression  
transform coefficients.

28. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes data frames of varying length; and

the selecting step includes the step of selecting a set of data frames.

29. (Original) The computer-useable medium of claim 24 wherein:  
the compressed media signal includes predictive data frames; and  
the selecting step includes the step of selecting a predictive data frame.

30. (Original) The computer-useable medium of claim 24:  
wherein the media signal includes a noise signal amplitude;  
further comprising the step of quantizing the media signal with a  
quantization step size smaller than the noise signal amplitude; and  
wherein the compressing step includes the step of compressing the  
quantized media signal.

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